

Figure 1
Confidentiality and Security

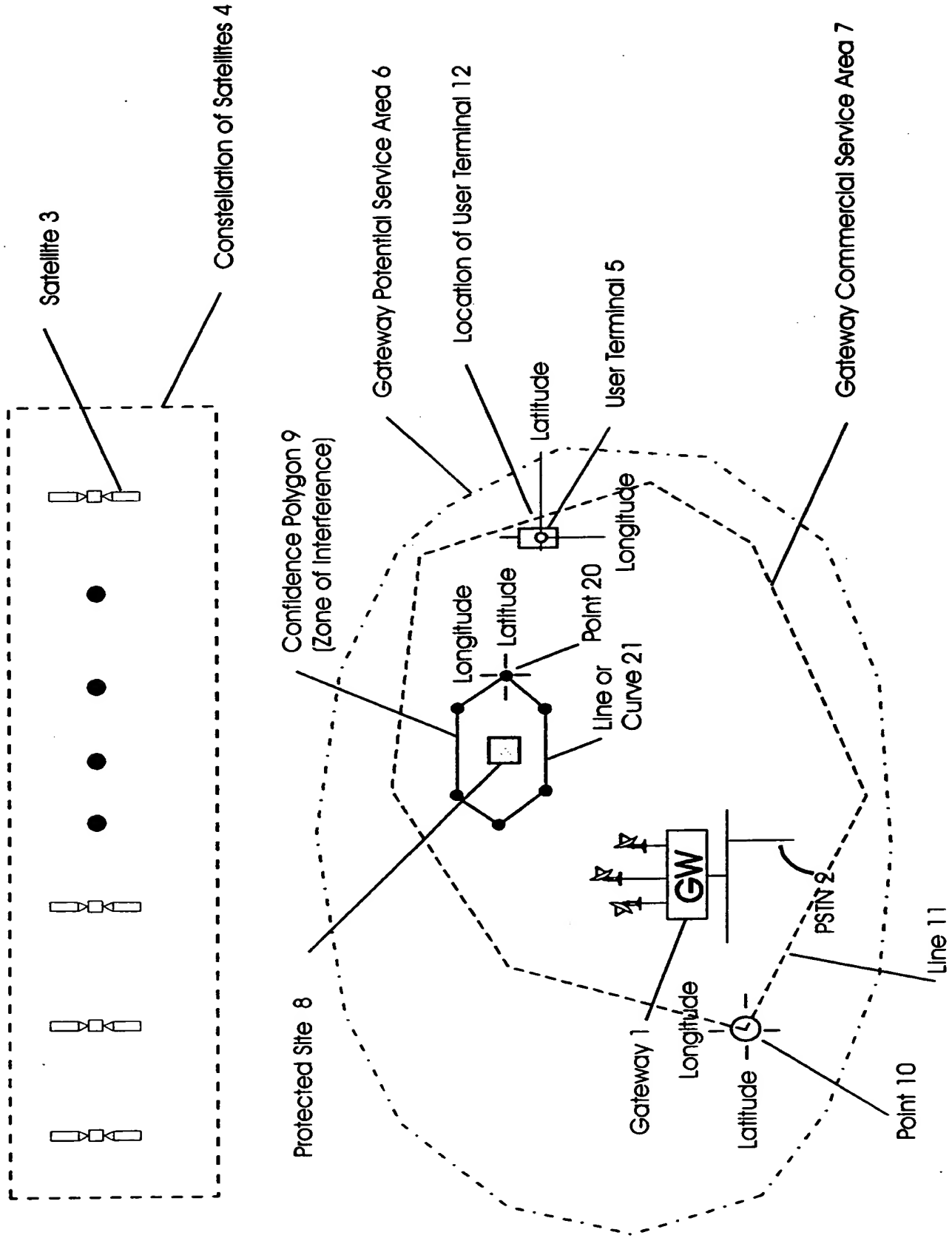
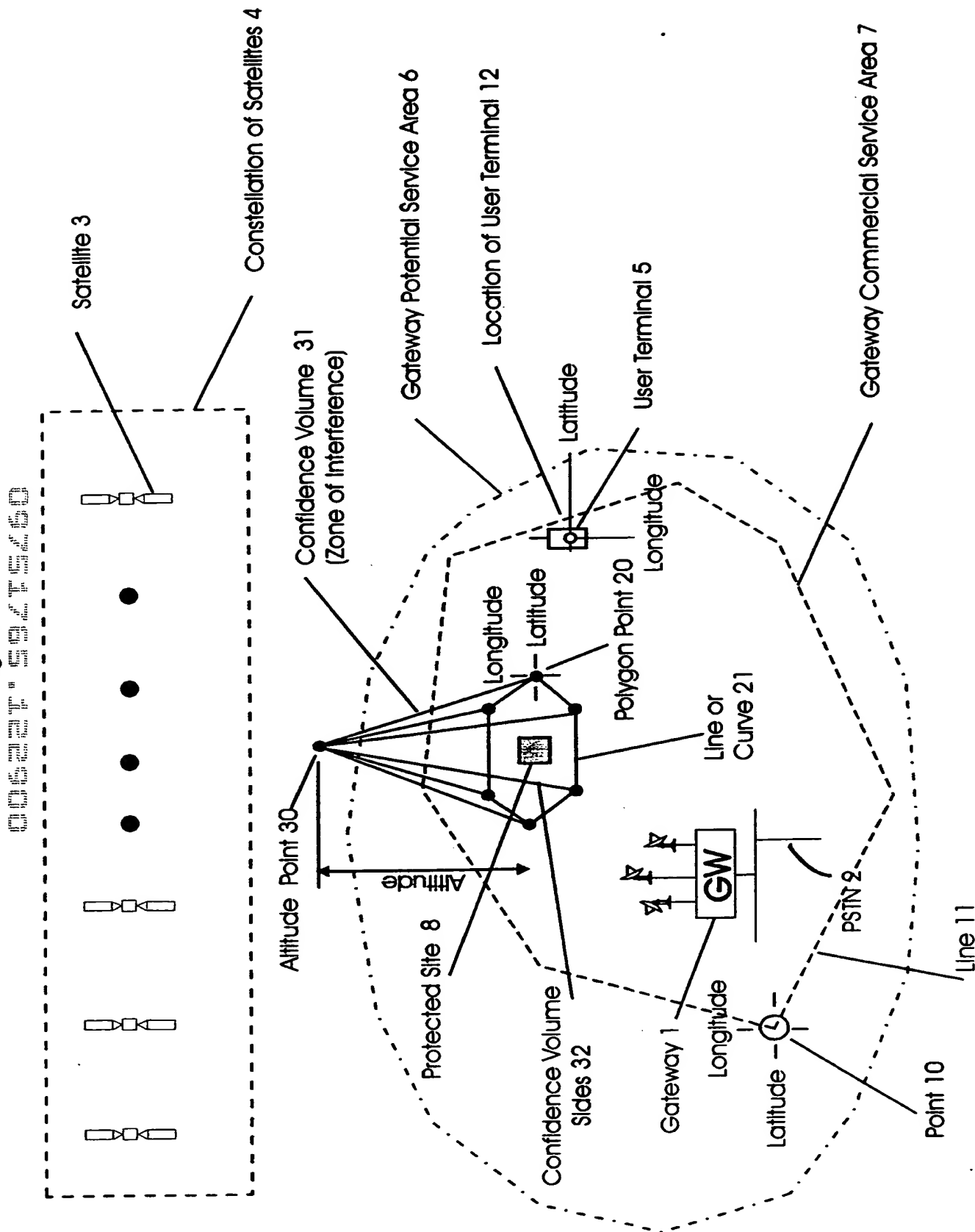


Figure 2



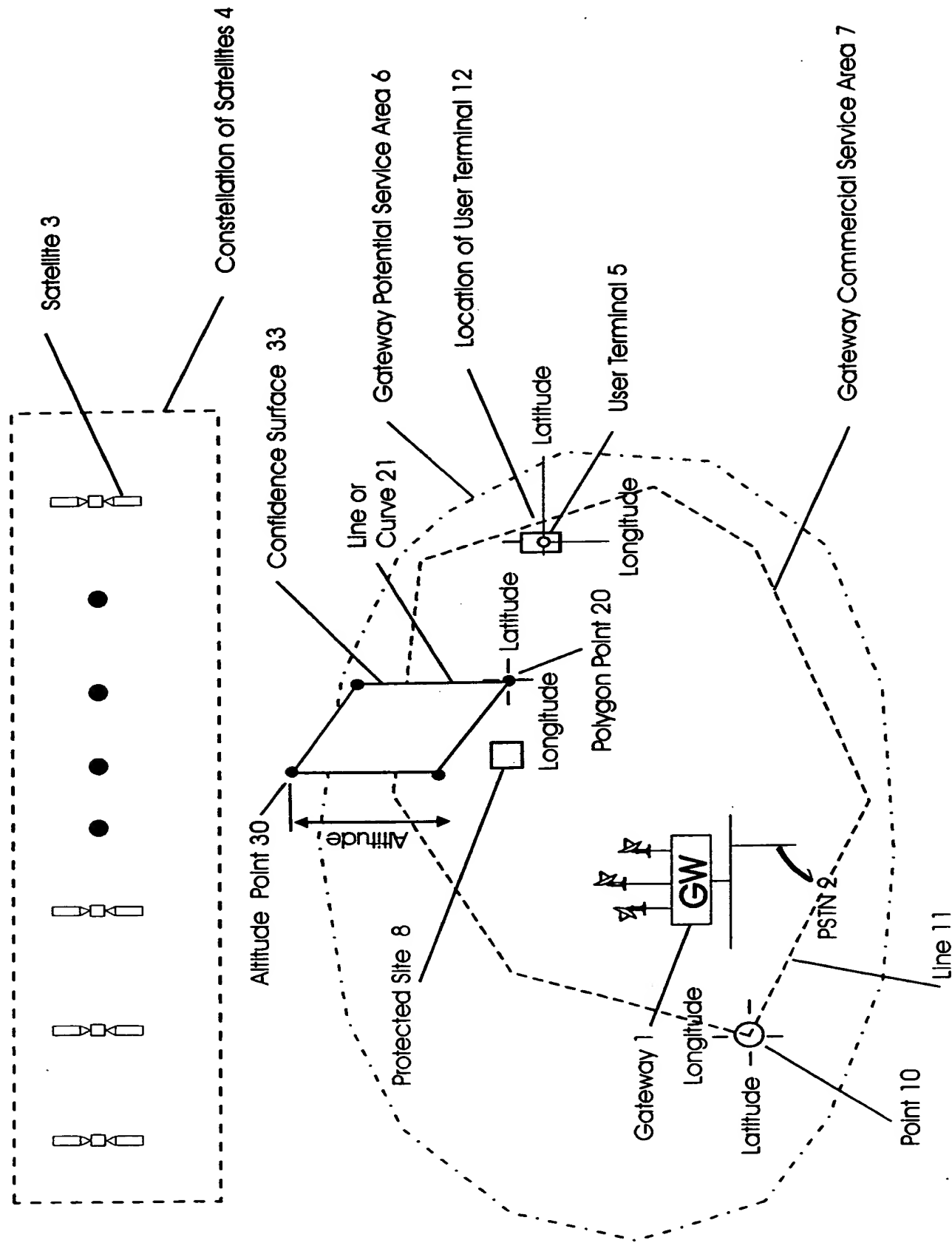
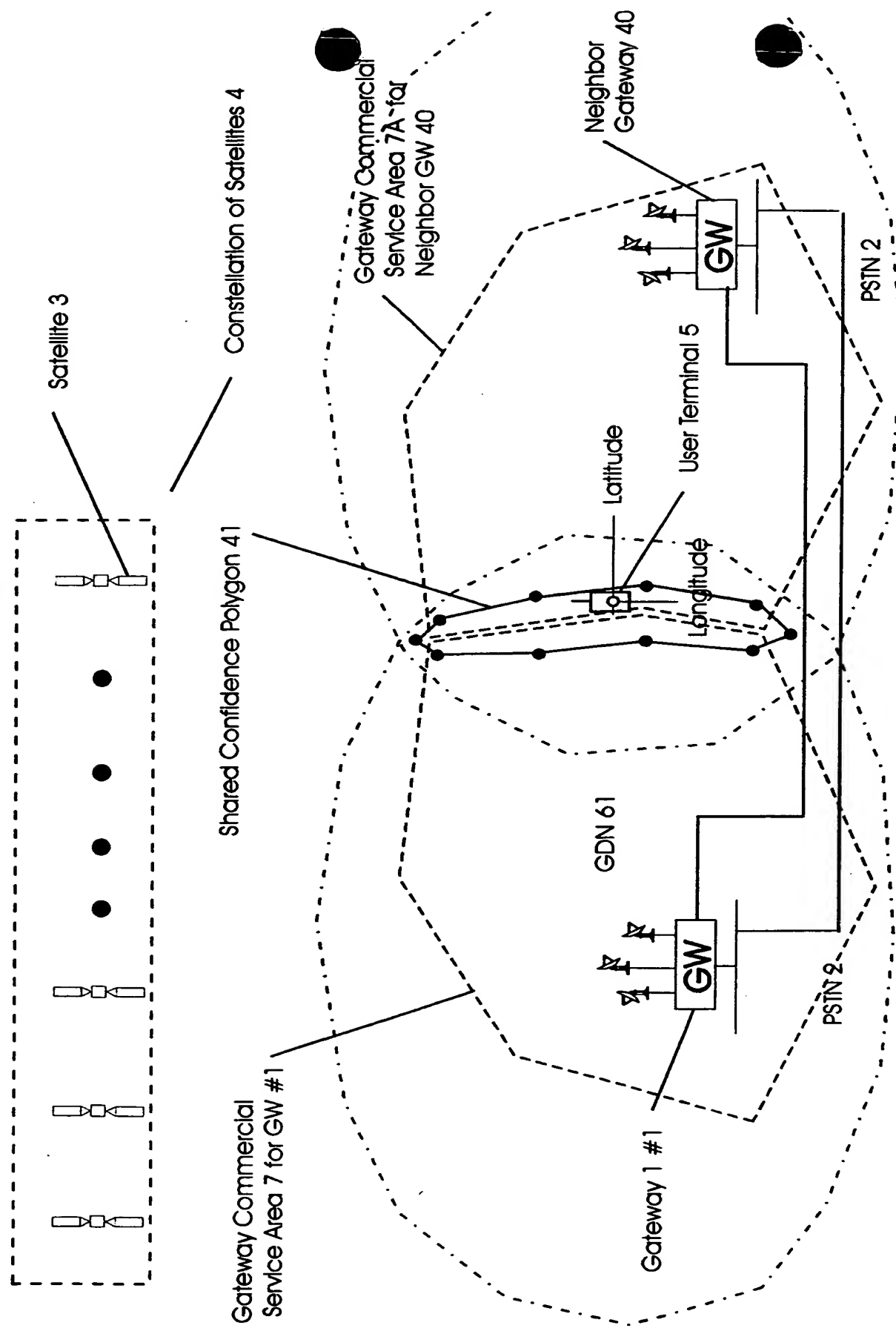
[illegible]

Figure 4



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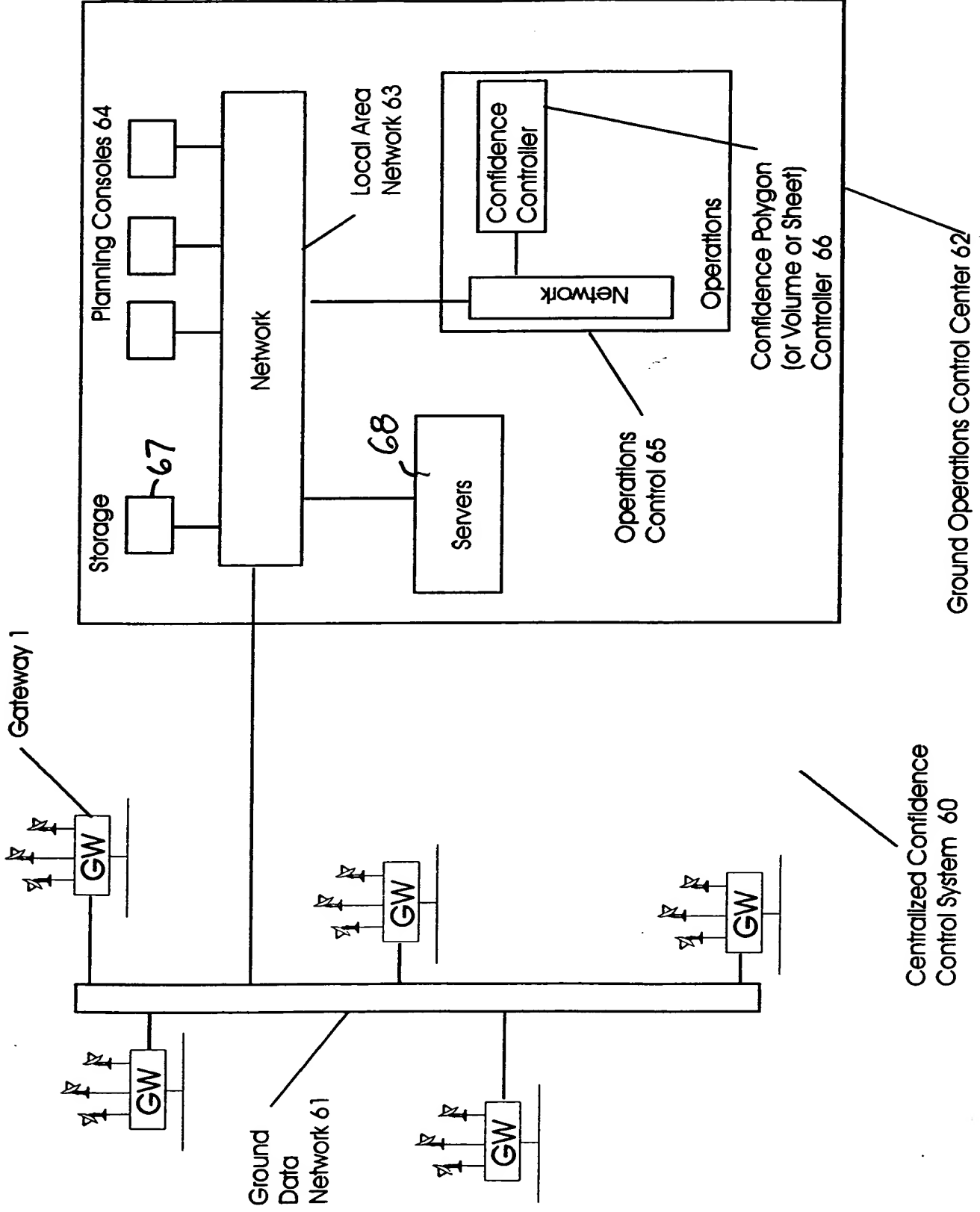


Figure 6
Gateway Sub System

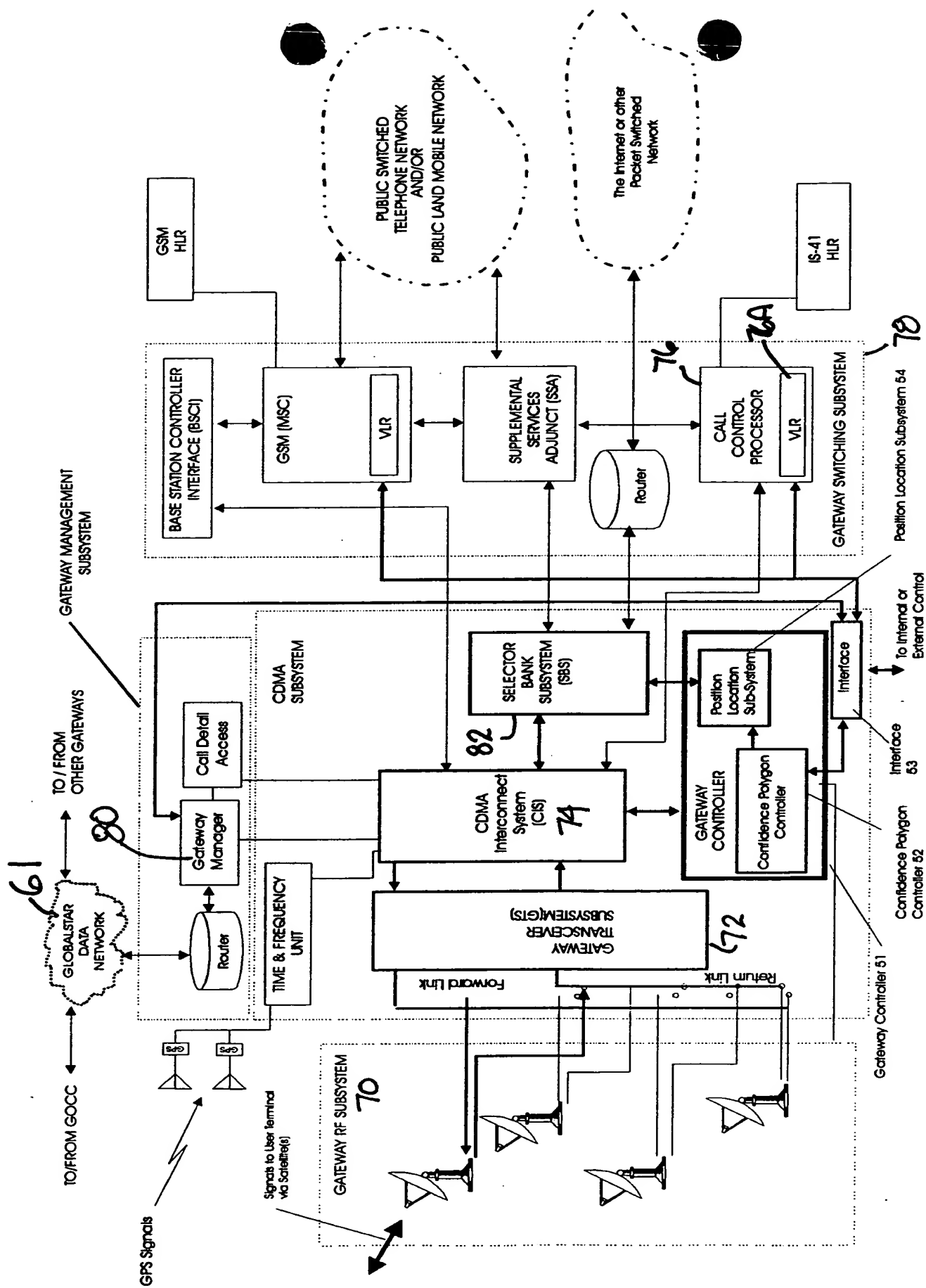
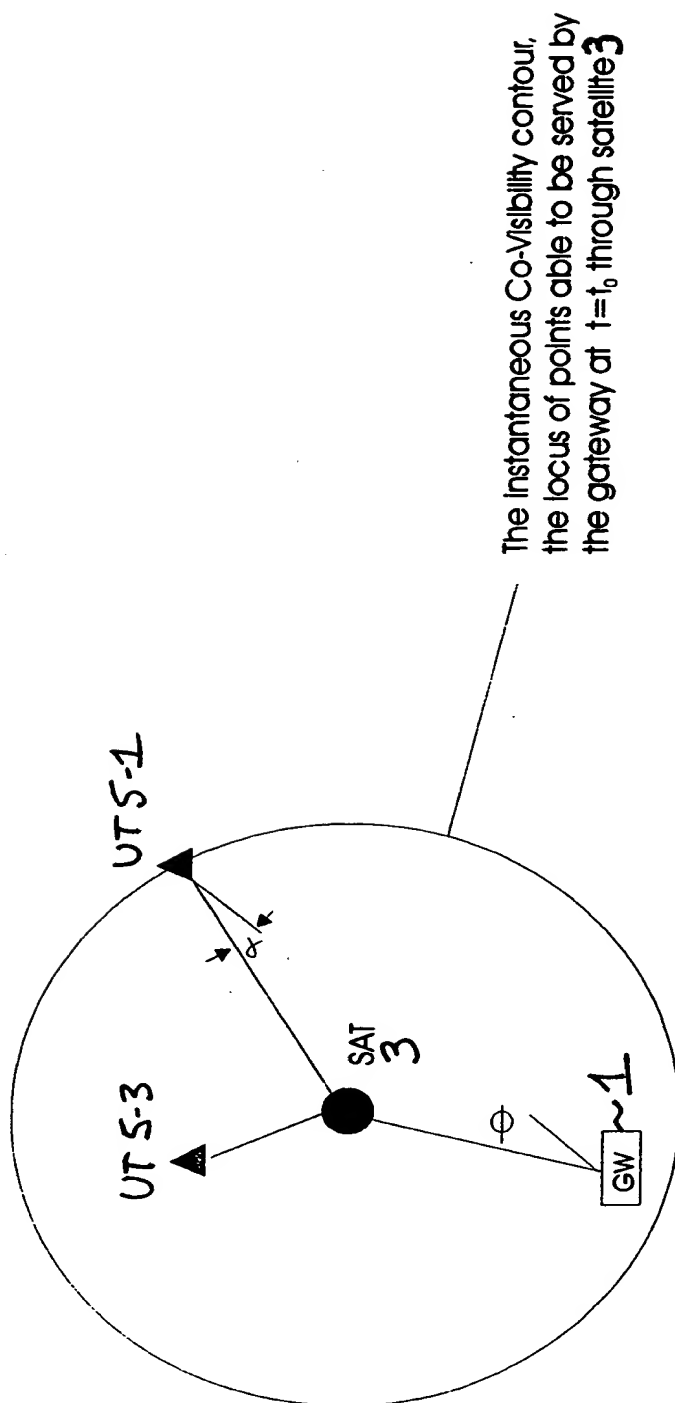


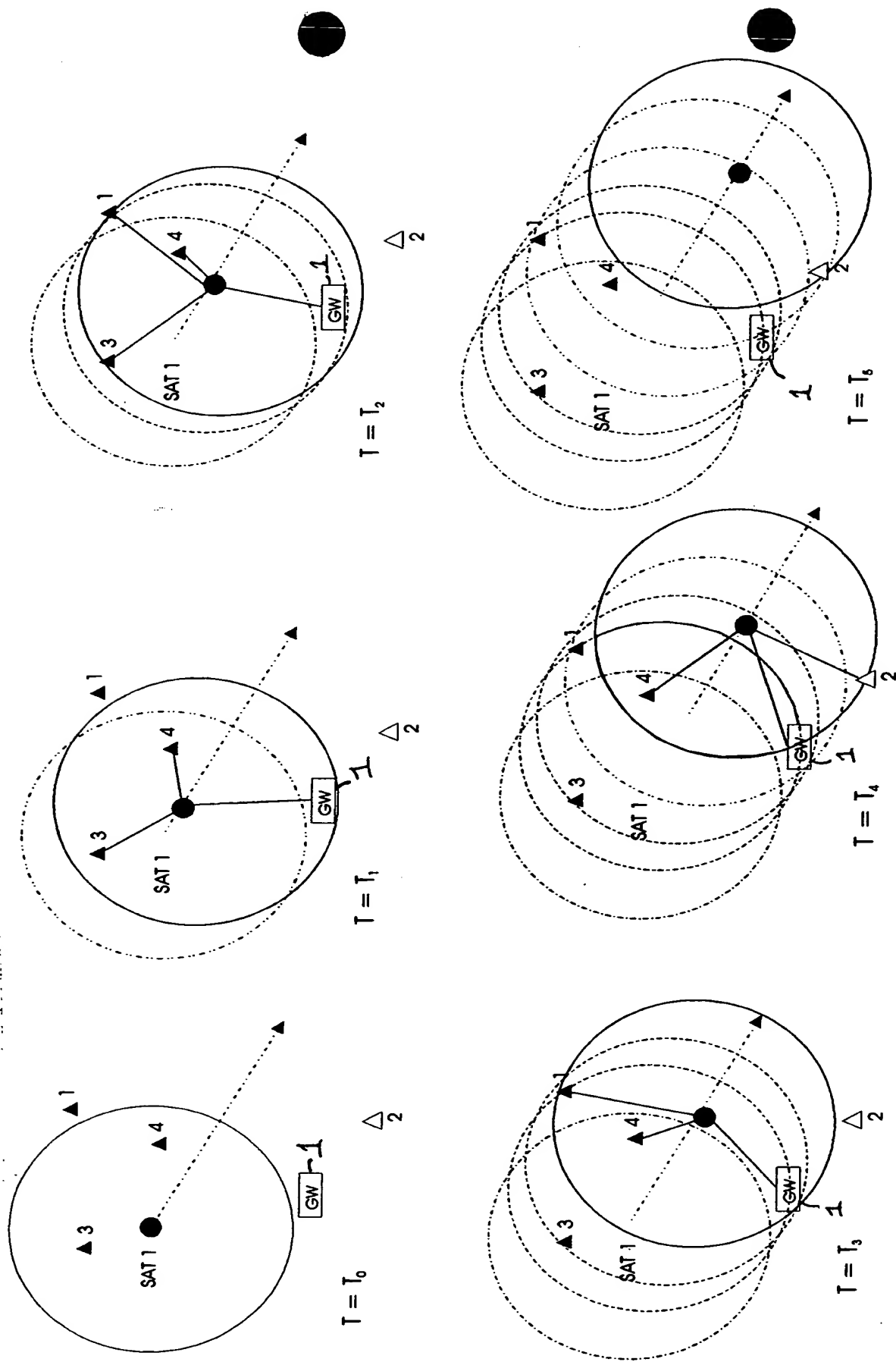
FIG. 7



The instantaneous Co-Visibility contour,
the locus of points able to be served by
the gateway at $t=t_0$ through satellite **3**

Δ
UTS-2

CONCEPT OF FIG. 8



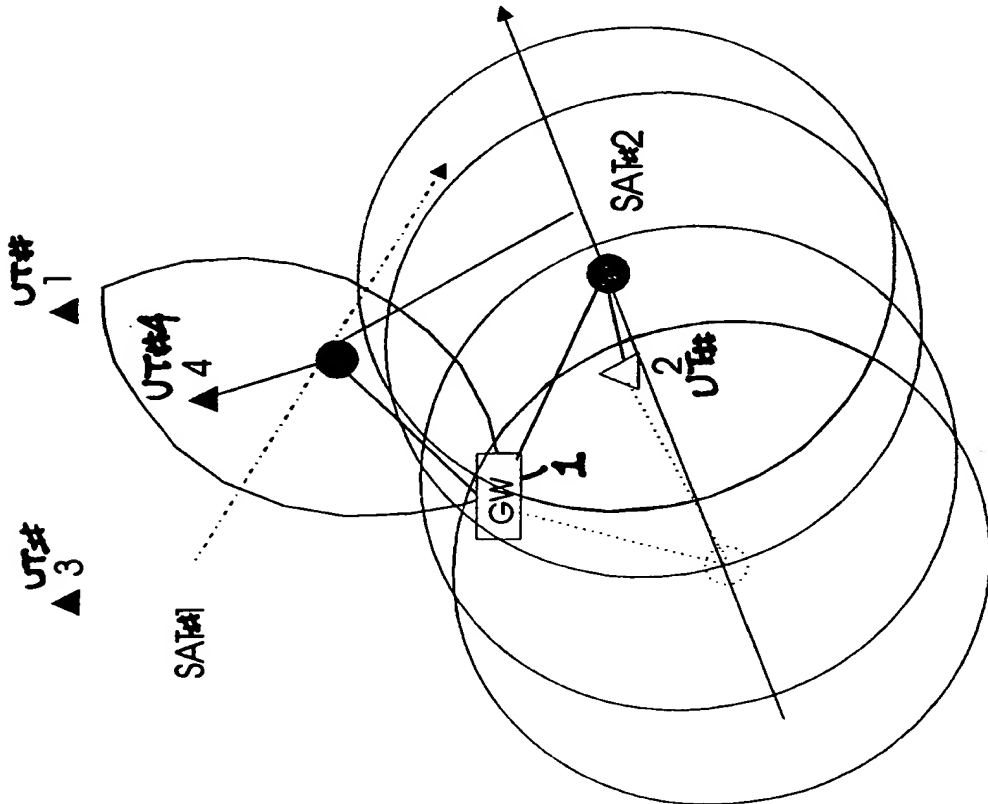


FIG. 9A

Path of the Coverage of Satellite 2 during the period $t = t_1$ to t_4

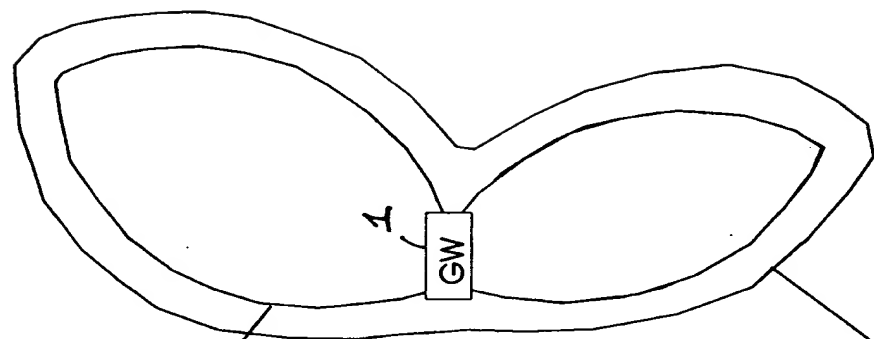
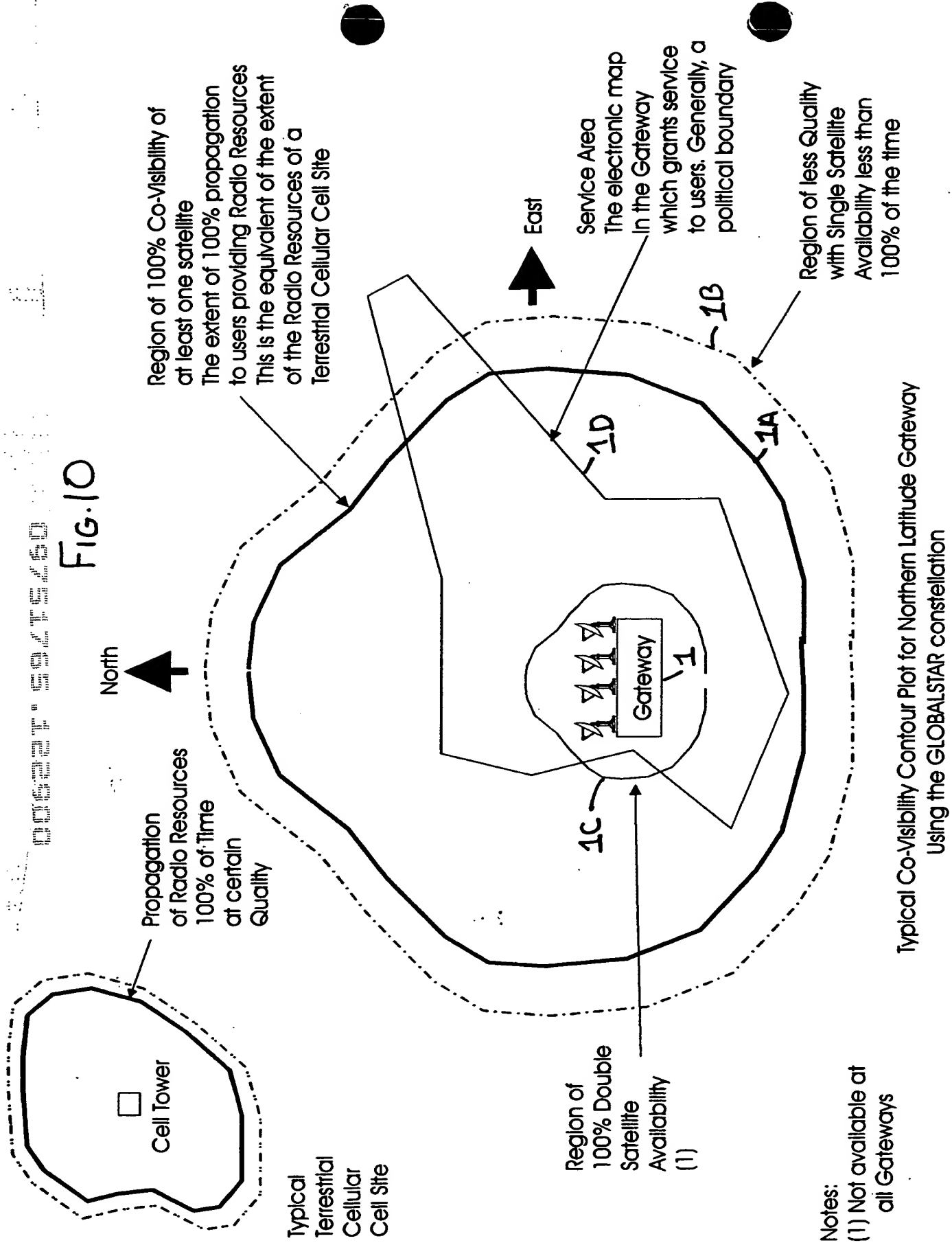


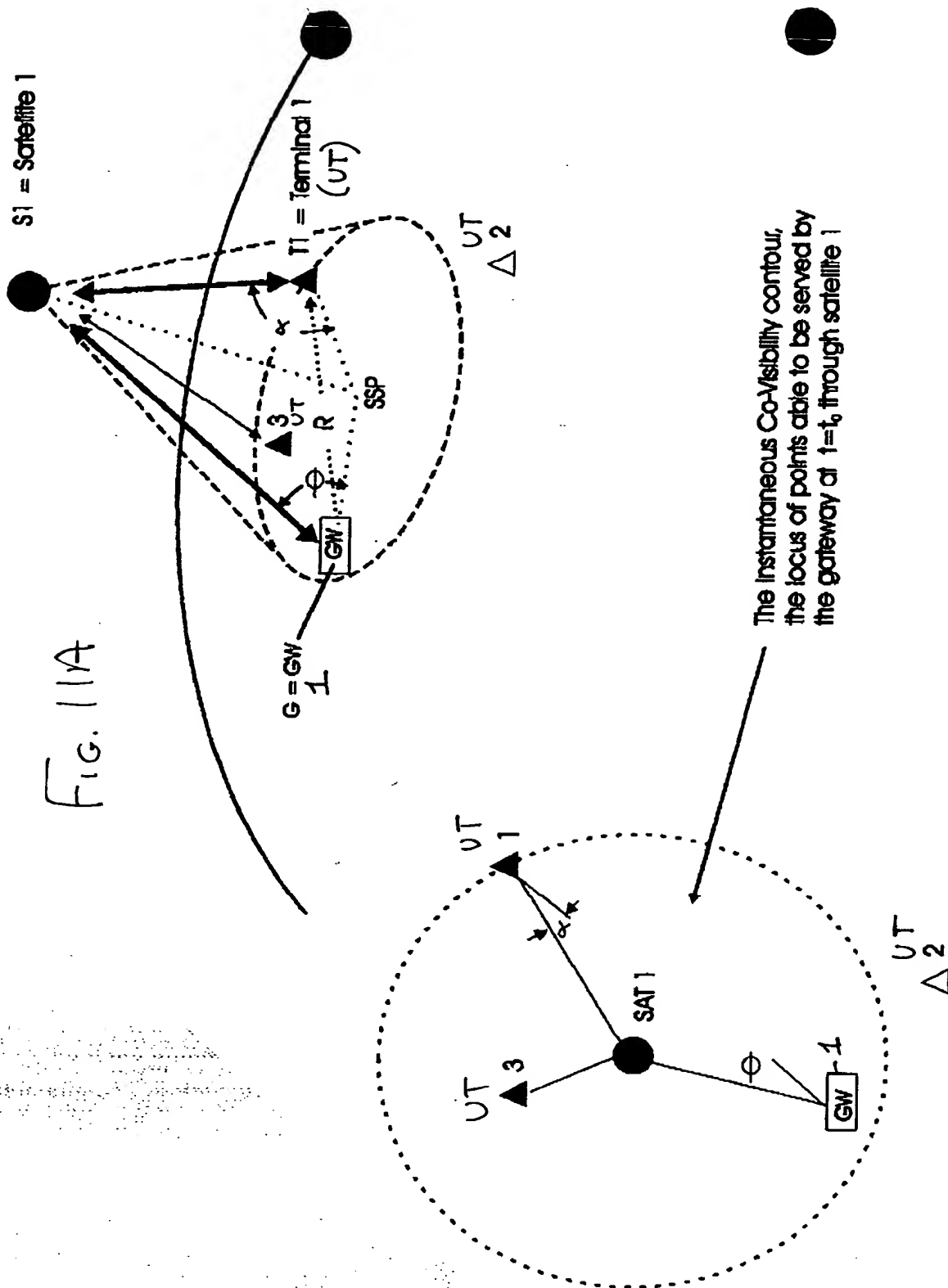
FIG. 9B

Fixed Region on Earth where during t_1 to t_2 User Terminals may communicate to the Gateway 95% of the time



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Fig. 11A





2 IHS

T1 = Terminal 1

2
△

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1

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1

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10

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Satellite Antenna Beam Radiation pattern projected onto the surface of the earth. Not "coverage" yet. Since Terminal 1 cannot form links through it to the Gateway

SAT 2

SAT 1

$\Delta 2$

The Instantaneous Co-Visibility contour, the locus of points able to be served by the gateway at $t=t_0$ through satellite 1

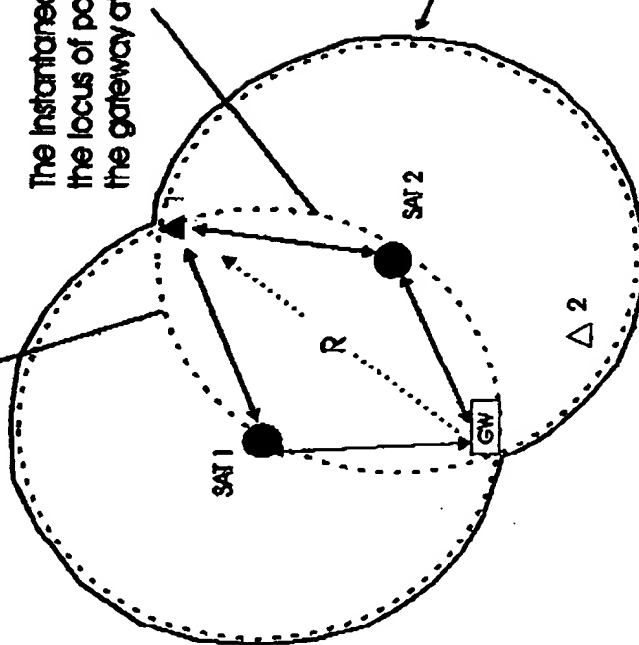
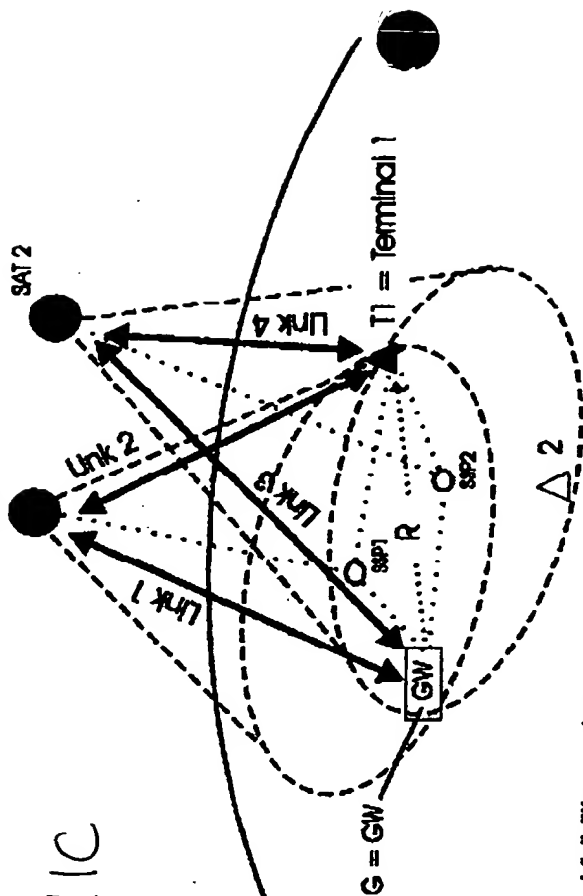
S1 = Satellite 1

FIG. 11C

The instantaneous Co-Visibility contour
the locus of points able to be served by
the gateway at $t = t_1$ through satellite 2

The instantaneous Co-Visibility contour
the locus of points able to be served by
the gateway at $t = t_1$ through satellite 1

The instantaneous combined Co-Visibility contour,
the locus of points able to be served by
the gateway at $t=t_1$ through satellite 1 and 2



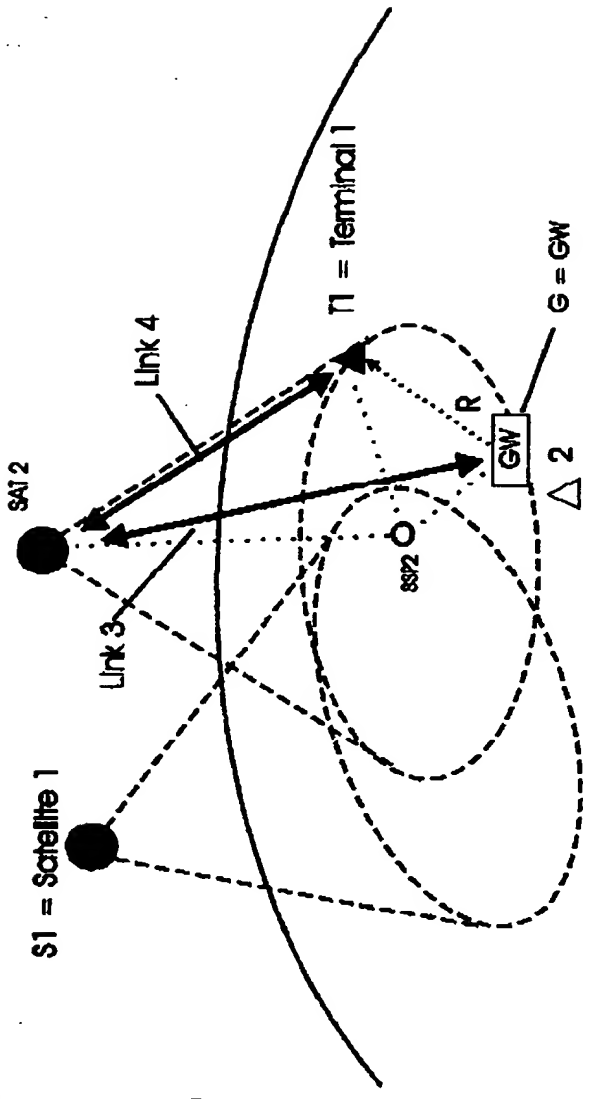
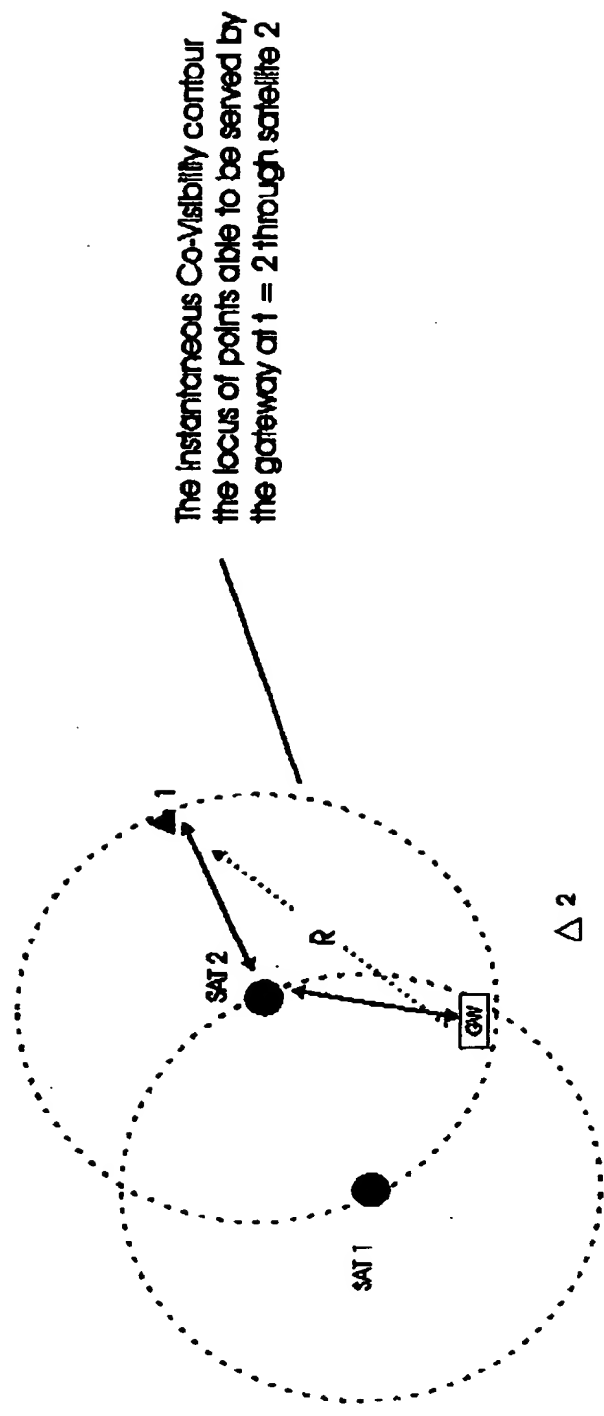


FIG. 11D



The Instantaneous Co-Visibility contour the locus of points able to be served by the gateway at t = 2 through satellite 2

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FIG. 11E

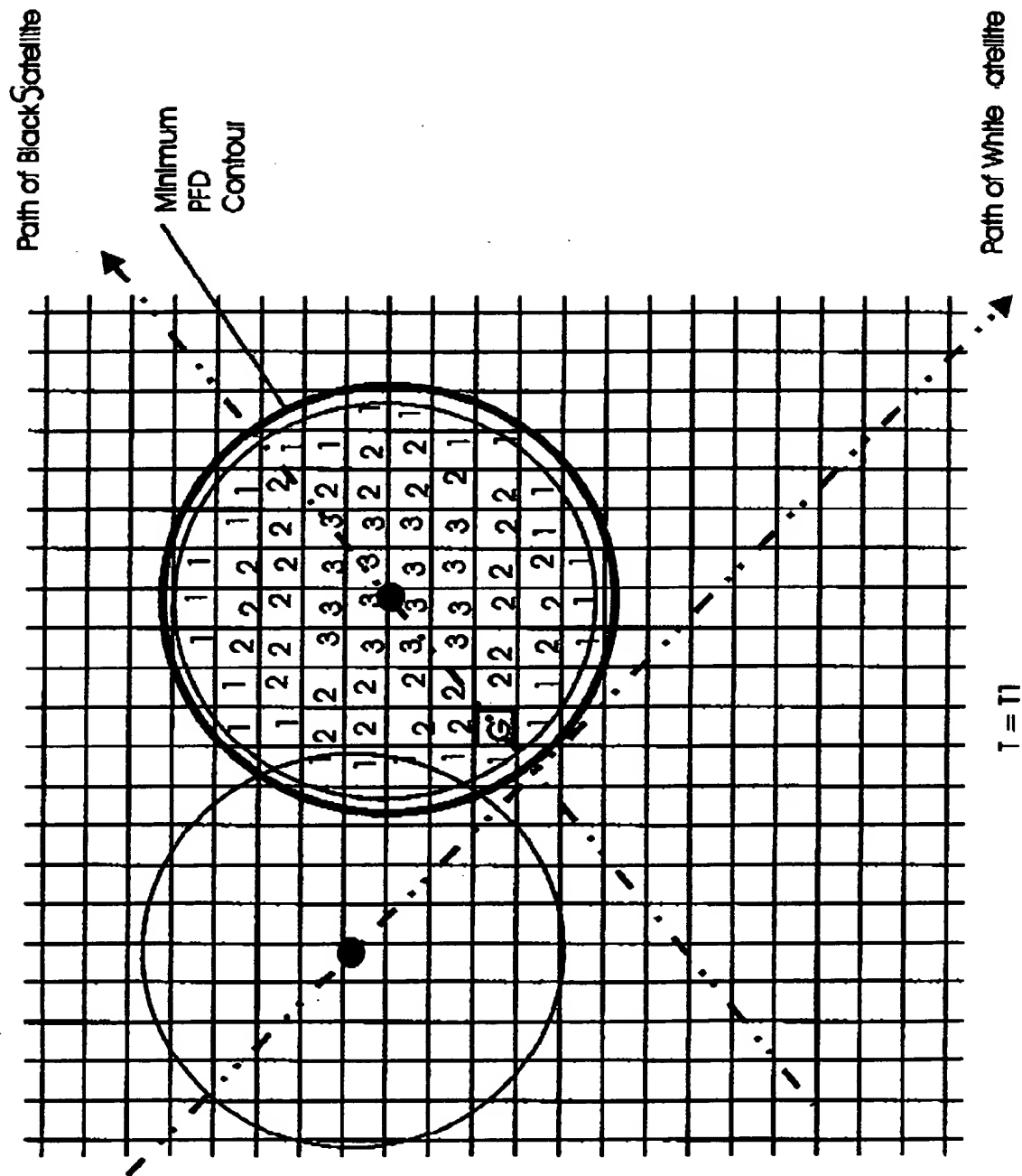
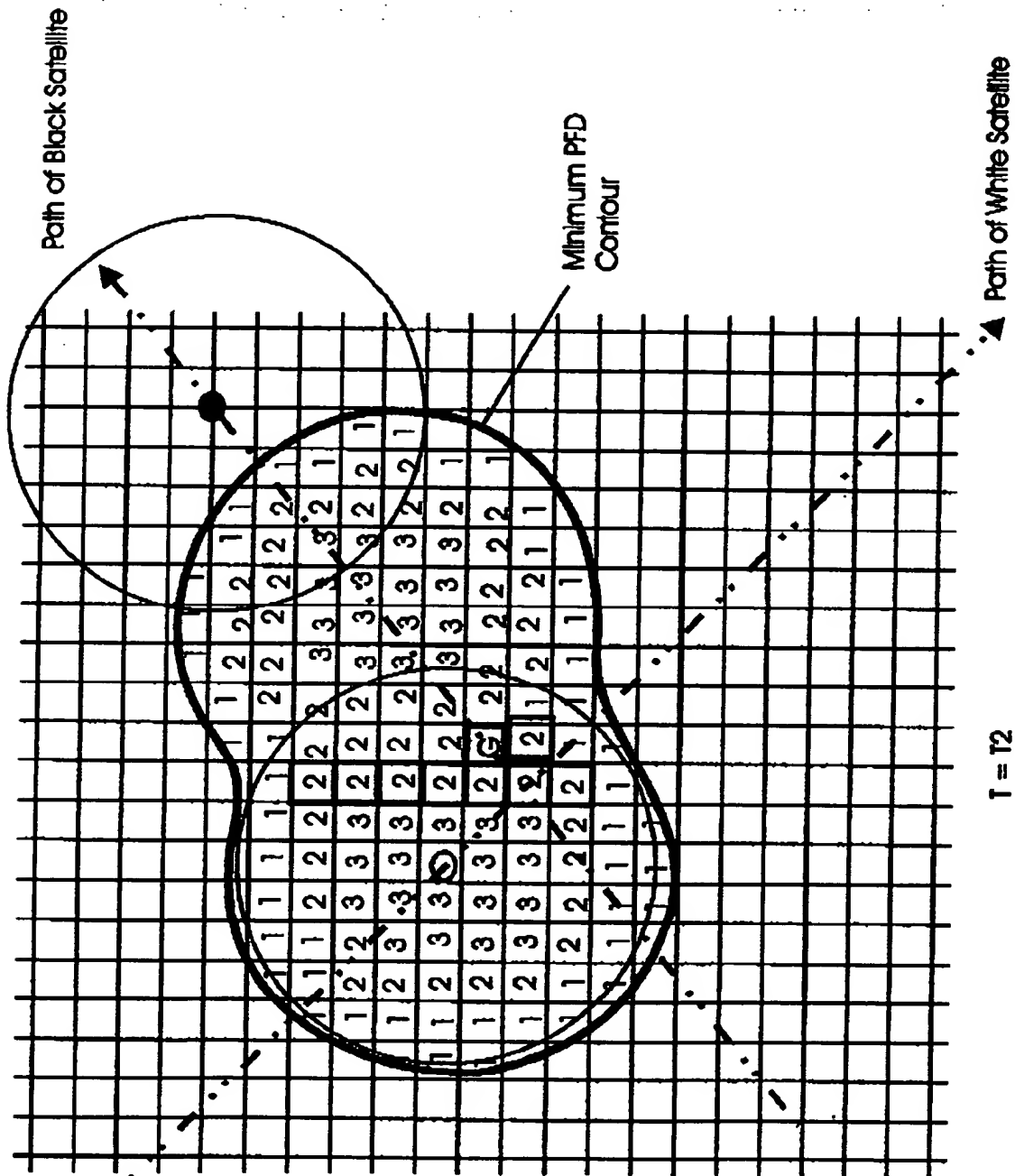


FIG. 11F



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Fig. 11H

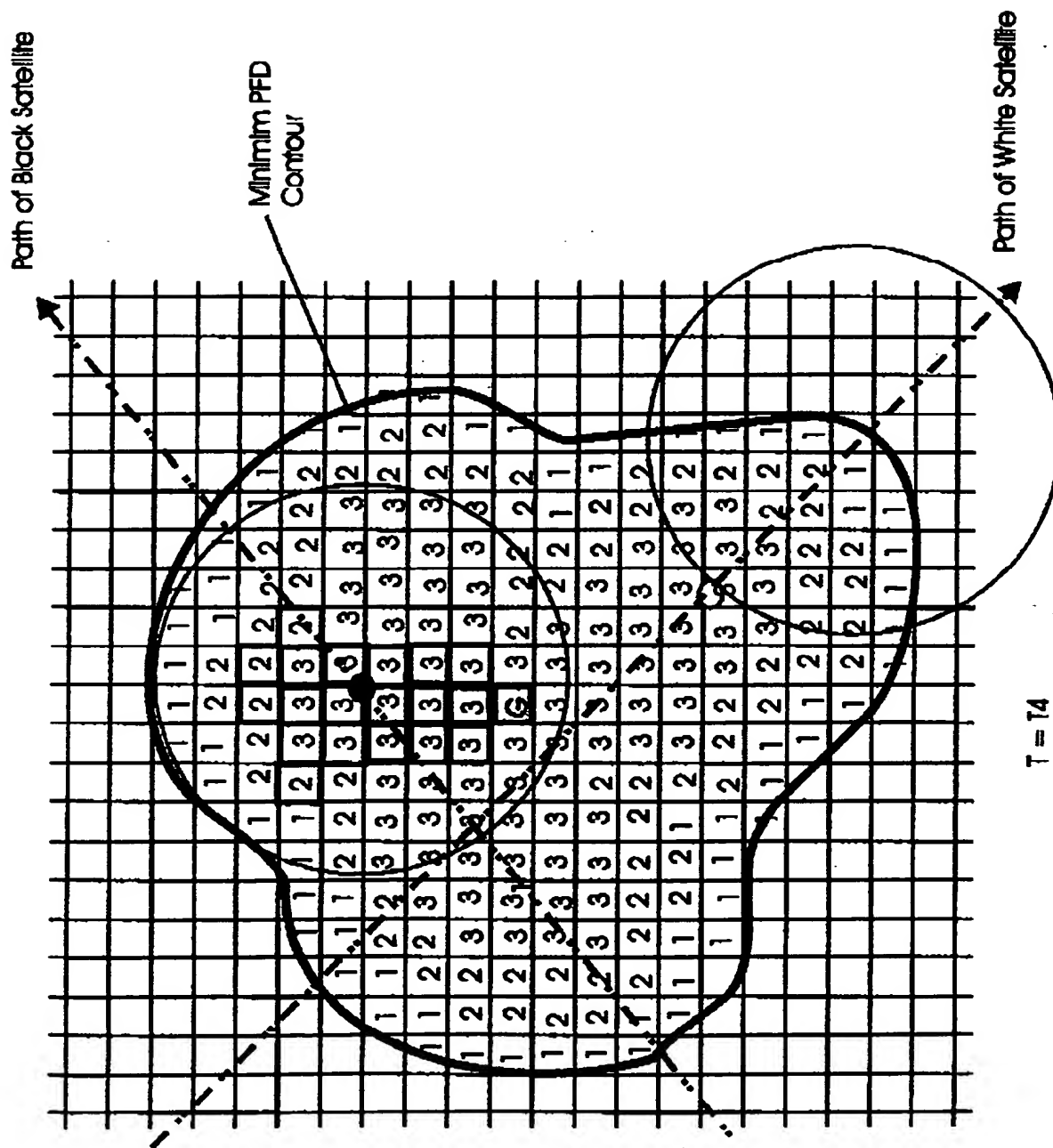


Fig. 111


$$T = T_A$$